| In | dex c | of Cla | nims | |
|----|-------|--------|------|--|
| | | | | |

Application/Control No.

10/807,686

Examiner

Anh-Vu H. Ly

Applicant(s)/Patent under Reexamination

RELAN ET AL.

Art Unit

2616

| √ | Rejected |
|---|----------|
| = | Allowed |

(Through numeral) Cancelled

Restricted ,

| N | Non-Elected |
|---|--------------|
| ı | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| Cla | aim | Date | | |] [| Claim | | | | | | Date | 9 | | _ | | | | | | |
|--------------|---|--------------|--------------|--------------|--|--------------|--------------|--|--|--|-----|-------|----------|--|----------|---|--------------|--------------|----------------|--|---|
| Final | Original | 12/27/07 | | | | | | | : | | | Final | Original | | | | | | | | |
| | 1 | = | | | | | | | | |]] | | 51 | | | | | | | | T |
| | 3 | | | | | | | | | | | | 52 | | | | | | | | Γ |
| | 3 | | | | | | | | | | | | 53 | | | | | | | | |
| | 4 | | | L | Ŀ | L | _ | | _ | | | | 54 55 | | | • | | | | | |
| | ■5 | | | _ | _ | _ | _ | | <u></u> | | | | 55 | | | | | _ | L | | L |
| L | 6 | = | | 匚 | _ | L | <u> </u> | | | _ | | | 56 | | | | | <u>L</u> | <u> </u> | <u> </u> | L |
| | 7 | = | | _ | _ | _ | <u> </u> | _ | _ | _ | 1 | | 57 | _ | _ | | | <u> </u> | L | <u> </u> | L |
| ļ | 8 9 10 | _ | - | _ | ļ | <u> </u> | <u> </u> | <u> </u> | | | | | 58 | _ | | | | | ļ | _ | ╀ |
| <u> </u> | | L | _ | <u> </u> | | <u> </u> | _ | ļ | <u> </u> | | 1 | | 59 | _ | | | | <u> </u> | _ | ╙ | Ļ |
| | | _ | | | <u> </u> | <u> </u> | ļ. | L | <u> </u> | _ | 1 | | 60 | - | - | | _ | <u> </u> | ┝ | ⊢ | ╀ |
| <u> </u> | 11 12 | | <u> </u> | | - | - | <u> </u> | <u> </u> | _ | | | | 61 | - | | | | - | _ | ⊢ | ╀ |
| | 13 | H | <u> </u> | \vdash | <u> </u> | ⊢ | ⊢ | - | | - | | | 62 | - | | | - | | | - | ╀ |
| | | = | | ┝ | ├ | | ├ | | _ | <u> </u> | | | 63 64 | | | | ⊢ | ⊢ | | ⊢ | ╀ |
| - | 1 1 1 5 1 5 1 7 1 7 1 7 1 7 1 7 1 7 1 7 | \vdash | ├ | Ͱ | ├ | ├ | ├ | - | - | <u> </u> | | | 65 | | | | | | - | - | ╀ |
| <u> </u> | 18 | - | ├ | | - | | - | - | | | 1 | | 66 | \dashv | \dashv | | ┝ | \vdash | - | ╁ | ╀ |
| | 17 | \vdash | \vdash | \vdash | \vdash | | \vdash | ┝ | ⊢ | | | | 67 | \rightarrow | - | | - | - | | ├ | ╁ |
| \vdash | 18 | - | | | ├ | | ├─ | ├ | - | \vdash | 1 | | 68 | \vdash | | — | | - | - | ⊢ | ╁ |
| _ | 19 | \vdash | \vdash | ┢ | ╁ | ╁ | ┢ | ┢ | ╁ | \vdash | 1 | | 69 | \vdash | ᅱ | | ├ | ╁ | ┢ | \vdash | ╁ |
| | 20 | | - | ├─ | ╢ | - | - | - | | - | | | 70 | - | | _ | \vdash | ┢ | ╁ | ⊢ | ╁ |
| \vdash | 3 | | \vdash | \vdash | ┢ | ⊢ | \vdash | \vdash | \vdash | ┢ | 1 | | 71 | \vdash | \dashv | | | \vdash | - | ╁ | t |
| <u> </u> | 21 22 | | | \vdash | \vdash | \vdash | | \vdash | - | | 1 | - | 72 | - | | | - | - | | | 十 |
| | 23 | = | | | | | | | | | | | 73 | Ħ | | | - | | _ | ╁ | t |
| | 24 | = | | | - | T | | | - | <u> </u> | 1 | | 74 | - | | | _ | | 一 | ⇈ | t |
| | 25 | = | | | | | Г | | ऻ | T | 1 | | 75 | | | | | T | | T | T |
| | 26 | = | | | | | | | | | 1 | | 76 | | | | | | | | T |
| | 27 | | | | | | | | Π | Γ | 1 | | 77 | | \neg | | | | Π | Г | Т |
| | 28 | | | | | | | | | | | | 78 | | | | | | Г | | Τ |
| | 29 | | | | | | | | | | | | 79 | | | | | | | | I |
| | 30 | L | | L | L | L | | _ | L | |] | | 80 | | | | | | | _ | L |
| | 31 | | | | _ | | | L | | <u> </u> | | | 81 | | | | | | | | 1 |
| ļ | 32 | | | | _ | _ | | <u> </u> | <u> </u> | oxdot | | | 82 | Ш | | | | L | _ | <u> </u> | L |
| <u> </u> | 33 | 匚 | | lacksquare | L | L | | L_ | | L. |]] | | 83 | | | | | _ | _ | <u> </u> | ļ |
| <u> </u> | 34 | <u> </u> | _ | <u> </u> | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | _ | | | 84 | _ | _ | | | <u> </u> | <u> </u> | <u> </u> | Ļ |
| <u> </u> | 35 | <u> </u> | _ | <u> </u> | <u> </u> | _ | <u> </u> | | ļ | <u> </u> | | | 85 | | | | _ | _ | <u> </u> | ▙ | 1 |
| | 36 | | ├— | | | | | | <u> </u> | | | | 86 | $\vdash \vdash$ | 4 | | <u> </u> | <u> </u> | ļ | \vdash | + |
| - | 37 38 | | | ├- | | | ⊢ | \vdash | \vdash | ŀ | | | 87 | \vdash | - | | \vdash | - | ├ | ┼ | + |
| \vdash | | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | | \vdash | 1 | | 88 89 | \vdash | - | | | | ├ | — | ╀ |
| } | 39 40 | - | ├ | ├ | | ├ | ├ | ├ | <u> </u> | - | 1 | - | 90 | \vdash | - | | \vdash | - | \vdash | ┼ | + |
| | 41 | - | ├ | ├— | | ├ | ├ | ├ | - | | | | 91 | \vdash | - | | ┢ | \vdash | | | ╁ |
| | 42 | \vdash | \vdash | \vdash | 1- | - | \vdash | \vdash | \vdash | \vdash | 1 | | 92 | | - | | ├ | - | ┼─ | + | + |
| ļ | 43 | - | \vdash | | | - | ├- | ├ | - | - | 1 | | 93 | \vdash | \dashv | _ | <u> </u> | \vdash | \vdash | \vdash | + |
| - | 44 | | - | \vdash | | - | | 1 | | - | 1 | | 94 | | | | _ | - | - | 1 | + |
| - | 45 | - | | 151 | | | | | | - | 1 | | 95 | | | - | | | | 1 | † |
| | 46 | Г | <u> </u> | I^- | 1 | <u> </u> | | | | _ | | | 96 | | - | | | | \vdash | \vdash | † |
| | 47 | | | Г | | <u> </u> | | | | | 1 | | 97 | \vdash | \neg | | T | | I^- | \vdash | t |
| | 48 | | | \vdash | | Т | | | Г | | 1 | | 98 | | | | Г | 1 | \vdash | \top | t |
| | 49 | П | | | | | Π | | | |] | | 99 | | | | | | | | T |
| | 50 | | | | | | | | | | | | 100 | | | | | | | Π | Τ |

| Cla | Date | | | | | | | | | |
|----------|----------------|--|--|--|-------------------------------------|--|--------------|--|--|----------|
| | | | | | | | | | | |
| ज | Original | | | | | | | | | |
| Final | .g | | | | | | | | | |
| - | O | | | | | | | | | |
| | 51 | _ | - | | \vdash | - | | - | | |
| | 51 | | _ | \vdash | | | | | - | |
| | 52 53 | _ | | _ | | | | _ | | |
| | 53 | | _ | _ | | | _ | _ | | |
| | 54 | | | Ŀ | | | | | | |
| | 55 | | | | | | | | | |
| | 56 | | | | | | | | | |
| | 57 | | | | | _ | | | | |
| | 58 | | | | | | | | | |
| | 59 | | | | | | | | | |
| | 60 | | | | | | | Г | | |
| | 61 | | | | | | | | | |
| | 62 | | | | | _ | | | | |
| | 63 | | | | _ | | | | | |
| | 63 64 65 | - | | | Н | М | Г | Т | Н | Н |
| - | 65 | | | | | | - | | | |
| \vdash | 66 | | \vdash | \vdash | \vdash | \vdash | | \vdash | \vdash | |
| — | 66 67 | \vdash | - | | - | | | | - | - |
| - | 60 | \vdash | - | | | | | \vdash | | Ь— |
| — | 68 | _ | _ | _ | <u> </u> | _ | _ | _ | _ | \vdash |
| | 69 70 | _ | | <u> </u> | <u> </u> | _ | _ | <u> </u> | L | _ |
| <u> </u> | 70 | <u> </u> | <u> </u> | <u> </u> | ldash | | | _ | | _ |
| | 71 | | _ | ļ | <u> </u> | | | | _ | |
| | 72 73 | | | _ | _ | | | | | |
| | 73 | | | L | _ | | | <u> </u> | | |
| | 74 75 | | | L | L | | | | | |
| | 75 | | | | | | | | | |
| | 76 | | | | | | | | | |
| | 77 | | | | | | | | | |
| | 78 | | | | | | | | | |
| | 79 | | | | | | | $\overline{}$ | | \vdash |
| | 80 | \vdash | \vdash | \vdash | _ | | _ | _ | _ | _ |
| | 81 | - | | | _ | _ | | | ┢ | _ |
| | 82 | | | | \vdash | \vdash | \vdash | \vdash | Н | \vdash |
| | 82 83 | \vdash | \vdash | | - | - | - | | - | \vdash |
| | 84 | | | - | - | \vdash | - | \vdash | \vdash | \vdash |
| - | 85 | - | - | | _ | ┝ | \vdash | \vdash | ⊢ | \vdash |
| - | 86 | | | ├- | \vdash | - | \vdash | \vdash | \vdash | \vdash |
| <u> </u> | 00 | \vdash | \vdash | - | \vdash | <u> </u> | | \vdash | \vdash | ⊢ |
| \vdash | 87 | \vdash | \vdash | — | — | <u> </u> | | | | |
| | 88 | - | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| <u></u> | 89 | <u> </u> | <u> </u> | <u> </u> | \vdash | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| <u></u> | 90 | _ | <u> </u> | <u> </u> | _ | _ | <u> </u> | | L | L. |
| L | 91 | <u> </u> | <u> </u> | L | | | <u> </u> | | 匚 | <u>_</u> |
| | 92 | | _ | \Box | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | _ | _ | | _ |
| | 93 | | | | | | | | | |
| | 94 | | | | | | | | | |
| | 95 | | | 1 | | 1 | | | | |
| | 96 | | | Г | | | | | | |
| | 97 | | Г | | | | | | | |
| 1 | 98 | | ┰ | _ | | \vdash | \vdash | \vdash | Т | |
| | 99 | _ | | | _ | _ | | | \vdash | |
| | 100 | ┪ | H | \vdash | \vdash | | - | | | \vdash |

| Te F F F F F F F F F | Cla | aim | | | | [| Date | • | | | \neg |
|---|-----|-------|--|--|--|----------------|---|--|--------------|--|----------|
| 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 145 144 145 144 145 145 144 145 144 145 145 144 145 145 144 145 144 145 145 144 145 145 144 145 144 145 145 144 145 145 144 145 145 144 145 | | | | | | | | | ٠ | | |
| 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 145 144 145 144 145 145 144 145 144 145 145 144 145 145 144 145 144 145 145 144 145 145 144 145 144 145 145 144 145 145 144 145 145 144 145 | | 101 | | | | | | | | | |
| 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 145 144 145 144 145 145 144 145 144 145 145 144 145 145 144 145 144 145 145 144 145 145 144 145 144 145 145 144 145 145 144 145 145 144 145 | | 102 | | | | | | | | | |
| 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 145 144 145 144 145 145 144 145 144 145 145 144 145 145 144 145 144 145 145 144 145 145 144 145 144 145 145 144 145 145 144 145 145 144 145 | | 103 | | | | | | | | | |
| 108 | | 104 | _ | | | | | | | | |
| 108 | | 105 | | | | | | | | | |
| 108 | | 106 | | | _ | _ | _ | | | | |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 107 | | | \vdash | | <u>_</u> | _ | | | Щ |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 108 | | - | | | | - | <u> </u> | | |
| 111 112 113 114 115 116 117 118 119 120 121 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 143 144 145 145 | | 109 | | <u> </u> | <u> </u> | | _ | | _ | | |
| 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 110 | <u> </u> | - | | l- | | | | - | \dashv |
| 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 111 | ┝ | H | \vdash | \vdash | - | | ⊢ | H | Н |
| 116 | | 112 | | | | | - | ├— | | - | - |
| 116 | | 110 | - | ┝ | ┝ | | - | <u> </u> | \vdash | ├ | Н |
| 116 | | 115 | - | | | ⊢ | ├— | - | - | \vdash | H |
| 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 116 | | ┢ | \vdash | \vdash | | | \vdash | \vdash | |
| 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 117 | - | - | - | - | | | \vdash | - | Н |
| 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 118 | - | | ┢ | ┢ | \vdash | ┢ | ├─ | - | \vdash |
| 124 | | 119 | \vdash | \vdash | \vdash | \vdash | ┢ | \vdash | \vdash | ╁ | Н |
| 124 | | 120 | | _ | | _ | - | | _ | | - |
| 124 | | 121 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | T | Н |
| 124 | | 122 | _ | | | | | | _ | | |
| 124 | | 123 | 1 | | | | | 1 | \vdash | | |
| 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 124 | _ | | $\overline{}$ | Г | \vdash | \vdash | \vdash | | П |
| 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 125 | | | | | | | | | |
| 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 126 | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 127 | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 128 | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 129 | _ | L | L_ | <u> </u> | | _ | | $oxed{oxed}$ | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 | | 130 | <u> </u> | L | <u> </u> | <u> </u> | L_ | <u> </u> | | L | |
| 134 135 136 137 138 139 140 141 142 143 144 145 | | 131 | _ | | | 匚 | $ldsymbol{ld}}}}}}$ | lacksquare | <u> </u> | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 | | 132 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | 匚 | <u> </u> | <u> </u> | <u> </u> | |
| 135 136 137 138 139 140 141 142 143 144 145 | | 133 | _ | _ | | _ | <u> </u> | _ | | L | |
| 137 138 139 140 141 142 143 144 145 | | 134 | _ | _ | <u> </u> | _ | _ | <u> </u> | _ | ١ | |
| 137 138 139 140 141 142 143 144 145 | | 135 | <u> </u> | ┡ | - | ┡ | <u> </u> | <u> </u> | | | |
| 138 139 140 141 142 143 144 145 | | 136 | - | - | - | ļ | | ┞ | | | - |
| 140 141 142 143 144 145 | | 137 | | ├ | ⊢ | ⊢ | ⊢ | | | - | - |
| 140 141 142 143 144 145 | | 138 | <u> </u> | <u> </u> | <u> </u> | ⊢ | ┝ | ⊢ | | - | - |
| 141 142 143 144 145 | | 140 | | - | | - | ├ | | - | | Н |
| 142 143 144 145 | | 4 4 4 | ├- | ├─ | - | ├ | ├— | \vdash | - | - | |
| 143 144 145 | | | \vdash | ⊢ | | ├ | ⊢ | | ╁ | ├ | |
| 144 | | | _ | ┢ | - | ┢ | - | | 1— | \vdash | Н |
| 145 | | | | \vdash | \vdash | \vdash | \vdash | | \vdash | \vdash | |
| | | 145 | | | 7 7 | | | | | | |
| 1,70, 1 1 1 1 1 1 1 | | 146 | \vdash | \vdash | | _ | \vdash | | | _ | |
| 147 | | | 1 | Т | | \vdash | \vdash | _ | <u> </u> | Т | П |
| 148 | | | П | | | | | T | | Т | |
| 149 | | 149 | | | | | | | | | |
| 150 | | 150 | | | | | | | | | |